

Acknowledgements

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Glossary of Terms and Acronym List

2,4-D: Pesticide. Action: Selective hormone-type herbicide. Use: For grasses, wheat, barley, oats, rangeland pasture, asparagus, corn.

Alluvial: A general term for detrital deposits made by streams on river beds, flood plains, and alluvial fans.

Background: Natural background ground water quality; The ground water quality unaffected by man. (IDEQ, 1992)

Basalt: A dark-colored igneous rock, commonly extrusive, composed primarily of calcic plagioclase and pyroxene minerals.

BDL: Below detection limit, for nitrate BDL is usually less than 0.005 mg/l

Dacthal: Pesticide. Action: selective herbicide. Use: pre-emergence for smooth/hairy crabgrass, witchgrass, green/yellow foxtails, fall panicum, other annual grasses; broad leaf weeds.

Dacthal acid metabolite: a breakdown product of dacthal

Diazinon: Pesticide. Action: Insecticide, nematicide. Use: For soil insects and pests of fruits, vegetables, field crops, range, pasture.

Duripan: A horizon in a soil characterized by cementation by silica. Duripans occur mainly in areas of volcanism that have arid climates.

Eolian: Pertaining to the wind

EPA: United States Environmental Protection Agency

Fluvial: Produced by the action of a stream or river

GIS: Geographic Information System

IDEQ: Division of Environmental Quality, State, A division of Idaho Department of Health and Welfare

IDWR: Idaho Department of Water Resources.

IFBF: Idaho Farm Bureau Federation

IFBF/RGWQS: Idaho Farm Bureau Federation Reconnaissance Ground Water Quality Surveys

ISPRHUPP: Idaho Snake-Payette Rivers Hydrologic Unit Planning Project

Lacustrine: Pertaining to, produced by, or inhabiting a lake.

Loam: A rich, permeable soil composed of a mixture of clay, silt, sand, and organic material.

MCL: maximum contaminant level, maximum permissible level of contaminant in water delivered to any user of a public water system. MCLs are enforceable and federally determined standards.

Metribuzin: Pesticide. Action: Herbicide. Use: Controls a large number of grass and broad-leaf weeds infesting agricultural crops.

Miocene: An epoch of the early Tertiary period, after the Oligocene and before the Pliocene.

μg/ℓ: micrograms per liter, equivalent to parts per billion (ppb)

mg/ℓ: milligrams per liter, equivalent to parts per million (ppm)

N: Nitrogen

Nitrate-N, or NO₃-N: Nitrate as nitrogen. This concentration unit is one of the most commonly used forms of detection.

NOAA: National Oceanic and Atmospheric Administration

Nonpoint Source (ground water): A potential source of ground water contamination that is diffuse and maybe intermittent. The cumulative effect of a high density of nonpoint sources results in ground water contamination.

Normal Fault: A fault in which the hanging has moved downward relative to the footwall. The angle of dip is usually 45-90°.

NO₂: Nitrite

NO₃: Nitrate

Nutrient: Any substance assimilated by living things that promotes growth. The term is generally applied to nitrogen and phosphorus in wastewater but is also applied to other essential and trace elements.

ODEQ: Oregon Department of Environmental Quality.

OSHD: Oregon State Health Department.

Pentachlorophenol (PCP): Biocide, Currently: Wood preservative, molluscicide. Historically, many different agricultural uses. PCP was the 2nd. most heavily used pesticide in 60's and 70's, and commonly used in the 80's.

Pesticide: Substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest (insecticides, herbicides, fungicides, and others). Also substance intended as a plant regulator, defoliant, or desiccant. Pesticides can accumulate in the food chain/or contaminate the environment if misused.

Pleistocene: An epoch of the Quaternary period, after the Pliocene of the Tertiary and before the Holocene, ice age, glacial epoch

Pliocene: An epoch of the Tertiary period, after the Miocene and before the Pleistocene.

Point Source (ground water): A source of ground water contamination such as a surface spill, leaking underground tanks, or landfill that has an identifiable point of release and some impact on the aquifer.

ppb: parts per billion, equivalent to μg/ℓ

ppm: parts per million, equivalent to mg/ℓ

Quaternary: The second period of the Cenozoic era, following Tertiary.

QA/QC: Quality Assurance/Quality Control

Semiarid: A type of climate (25-50 cm of precipitation) in which there is slightly more precipitation than an arid climate, and in which sparse grasses are the characteristic vegetation.

USGS/WRD: United States Geologic Survey, Water Resources Division

USDA: United States Department of Agriculture.

USDA/SCS: USDA Soil Conservation Service

WATSTORE: USGS/WRD water data base